

06/11/01
J1054 U.S. PTO

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Please type a plus sign (+) inside this box [+]

PTO/SB/05 (11-00)
Approved for use through 10/31/2002. OMB 0651-0032
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. 42390.P11430

(maximum 12 characters)

First Named Inventor Qing Ma

Title: APPARATUS FOR ADJUSTING THE RESONANCE FREQUENCY OF A MICROELECTROMECHANICAL (MEMS) RESONATOR USING TENSILE/COMPRESSIVE STRAIN AND APPLICATIONS THEREOF

Express Mail Label No. EL431685403US

ADDRESS TO: Assistant Commissioner for Patents
Box Patent Application
Washington, D. C. 20231

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. X **Fee Transmittal Form (e.g., PTO/SB/17)**
(Submit an original, and a duplicate for fee processing)
2. **Applicant Claims Small Entity Status. (37 CFR 1.27)**
3. X **Specification (Total Pages 31)**
(preferred arrangement set forth below)
 - Descriptive Title of the Invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference sequence listing, a table,
or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
4. X **Drawings(s) (35 USC 113) (Total Sheets 22)**
5. **Oath or Declaration (Total Pages)**
 - a. Newly Executed (Original or Copy)
 - b. Copy from a Prior Application (37 CFR 1.63(d))
(for Continuation/Divisional with Box 17 completed)
 - i. **DELETIONS OF INVENTOR(S)** Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
 - c. Unsigned.
6. **Application Data Sheet. (37 CFR 1.76)**
7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)
 - a. Computer Readable Form (CRF)
 - b. Specification Sequence Listing on:
 - i. CD-ROM or CD-R (2 copies); or
 - ii. paper
 - c. Statement verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

9. ☐ **Assignment Papers (cover sheet & documents(s))**
10. ☐ a. Separate 37 CFR 3.73(b) Statement (where there is an assignee)
- ☐ b. Power of Attorney
11. ☐ English Translation Document (if applicable)
12. ☐ a. Information Disclosure Statement (IDS)/PTO-1449
- ☐ b. Copies of IDS Citations
13. ☐ **Preliminary Amendment**
14. ☒ **Return Receipt Postcard (MPEP 503) (Should be specifically itemized)**
15. ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed)
16. ☐ **Request and Certification under 35 U.S.C. 122(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.**
17. ☒ Other: Certificate of mailing with copy of return postcard signed by attorney

18A. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP)
Of Prior Application No.: _____ Examiner _____ Group Art Unit _____

(which is a ☐ continuation/ ☐ divisional/ ☐ CIP of prior application no. _____)
which is a ☐ continuation/ ☐ divisional/ ☐ CIP of prior application no. _____ (List entire chain of priority)

For CONTINUATION AND DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

18B. Statement under 37 CFR 3.73(b) for continuing application:

The undersigned states that _____ (name of assignee) is the assignee of the entire right, title, and interest in the accompanying patent application by virtue of an assignment recorded in the Patent and Trademark Office at Reel. No. _____ Frame No. _____ (or a copy of which is attached).

19. Correspondence Address

☐ Customer Number or Bar Code Label _____
or (Insert Customer No. or Attach Bar Code Label here)

☒ Correspondence Address Below

NAME Chun M. Ng
BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

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Name (PRINT/TYPE): Chun M. Ng Registration No.: 36,878

Signature: _____ Date: 6/11/01

Our Reference: 042390.P11430

Patent

APPARATUS FOR ADJUSTING THE RESONANCE FREQUENCY OF A
MICROELECTROMECHANICAL (MEMS) RESONATOR USING
TENSILE/COMPRESSIVE STRAIN AND APPLICATIONS THEREOF

Inventors: Qing Ma and Andy Berlin

Respectfully submitted,

BLAKELY SOKOLOFF TAYLOR & ZAFMAN LLP

Chun M. Ng
Reg. No. 36,878

"Express Mail" mailing label number: EL431685403US
Date of Deposit: June 11, 2001

I hereby certify that I am causing this paper or fee to be
deposited with the United States Postal Service "Express Mail
Post Office to Addressee" service on the date indicated above
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Commissioner for Patents, Washington, D. C. 20231

Sharon Farnus

(Typed or printed name of person mailing paper or fee)

(Signature of person mailing paper or fee) (Date signed)

Serial/Patent No.: New Application Filing/Issue Date: Herewith
Client: Intel Corporation
Title: APPARATUS FOR ADJUSTING THE RESONANCE FREQUENCY OF A
MICROELECTROMECHANICAL (MEMS) RESONATOR USING TENSILE/COMPRESSIVE...
BSTZ File No.: 42390.P11430 Atty/Secty Initials: CMN:sef
Date Mailed: 6-11-01 Docket Due Date: ***
The following has been received in the U.S. Patent & Trademark Office on the date stamped hereon:
☐ Amendment/Response (____ pgs.) ☒ Express Mail No.: EL431685403US ☒ Check No. 1316
☐ Appeal Brief (____ pgs.) (in triplicate) ☐ _____ Month(s) Extension of Time Amt: \$1222.00
☒ Application - Utility 31 pgs., with cover and abstract ☐ Information Disclosure Statement & PTO 149 (____ pgs.) ☐ Check No. _____
☐ Application - Rule 1.53(b) Continuation (____ pgs.) ☐ Issue Fee Transmittal Amt: _____
☐ Application - Rule 1.53(b) Divisional (____ pgs.) ☐ Notice of Appeal
☐ Application - Rule 1.53(b) CIP (____ pgs.) ☐ Petition for Extension of Time
☐ Application - Rule 1.53(d) CPA Transmittal (____ pgs.) ☐ Petition for _____
☐ Application - Design (____ pgs.) ☒ Postcard
☐ Application - PCT (____ pgs.) ☐ Power of Attorney (____ pgs.)
☐ Application - Provisional (____ pgs.) ☐ Preliminary Amendment (____ pgs.)
☐ Assignment and Cover Sheet ☐ Reply Brief (____ pgs.)
☐ Certificate of Mailing ☐ Response to Notice of Missing Parts
☐ Declaration & POA (____ pgs.) ☐ Small Entity Declaration for Indep. Inventor/Small Business
☐ Disclosure Docs & Orig & Copy of Invention Signed Letter (____ pgs.) ☒ Transmittal Letter, in duplicate
☒ Drawings: 22 # of sheets includes 22 figures ☒ Fee Transmittal, in duplicate
☒ Other: Certificate of mailing with copy of return postcard signed
by attorney

3. ADDITIONAL FEES

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for ex parte reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	390	216	195	Extension for reply within second month	
117	890	217	445	Extension for reply within third month	
118	1,390	218	695	Extension for reply within fourth month	
128	1,890	228	945	Extension for reply within fifth month	
119	310	219	155	Notice of Appeal	
120	310	220	155	Filing a brief in support of an appeal	
121	270	221	135	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,240	241	620	Petition to revive - unintentional	
142	1,240	242	620	Utility issue fee (or reissue)	
143	440	243	220	Design issue fee	
144	600	244	300	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Processing fee under 37 CFR 1.17(q)	
126	180	126	180	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	710	246	355	For filing a submission after final rejection (see 37 CFR 1.129(a))	
149	710	249	355	For each additional invention to be examined (see 37 CFR 1.129(b))	
179	710	279	355	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	
195	300	195	300	Publication fee for early, voluntary, or normal publication	
196	300	196	300	Publication fee for republication	
194	130	194	130	Request for voluntary publication or republication	
098	130	098	130	Processing fee under 37 CFR 1.17(i)	
091	1,240	091	1,240	Acceptance of unintentionally delayed claim for priority	

Other fee (specify) _____

Other fee (specify) _____

SUBTOTAL (3) \$ 0.00

*Reduced by Basic Filing Fee Paid

SUBMITTED BY:

Typed or Printed Name: Chun M. Ng

Signature: [Signature] Date: 6/11/01

Reg. Number: 36,878 Telephone Number: 425-827-8600

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PATENT APPLICATION SERIAL NO. _____

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE
FEE RECORD SHEET

06/21/2001 MABDI1 00000003 022666 09883036

01 FC:101		710.00 OP
02 FC:102		80.00 OP
03 FC:103	198.00 CH	432.00 OP